



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/765,117	01/28/2004	Goran Pantzar	024445-446	9711
55694	7590	10/11/2005	EXAMINER	
DRINKER BIDDLE & REATH (DC)			ROSS, DANA	
1500 K STREET, N.W.			ART UNIT	
SUITE 1100			PAPER NUMBER	
WASHINGTON, DC 20005-1209			3722	

DATE MAILED: 10/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/765,117

Applicant(s)

PANTZAR, GORAN

Examiner

Dana Ross

Art Unit

3722

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 January 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 1/28/04; 5/12/04.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Drawings***

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the screw which includes a shank having a “chamber” of claim 13 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claim 13 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is not clear what is meant by the screw “includes a shank having a chamber” extending along an entire length thereof. Page 7 of the disclosure, paragraph 0024, discusses “a longitudinal chamfering 23”. It is not clear if the “chamber” being claimed is the same as the “longitudinal chamfering 23” of the disclosure. See above drawing rejection.

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

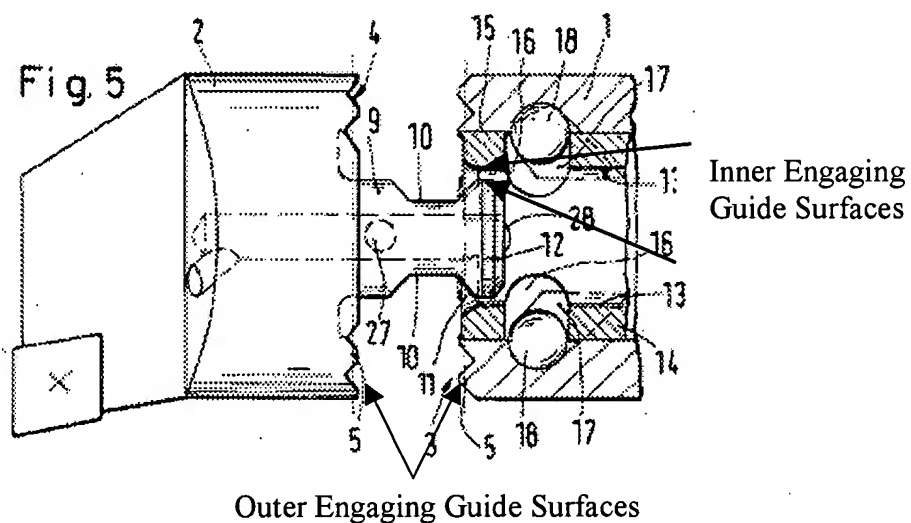
5. Claims 1-8, 11 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by US Pat. No. 4,655,655 (Schürfeld, hereafter ‘655).

‘655 teaches a tool and workpiece holding arrangement with the first and second tool holders (see area of reference numbers 1 and 2 of figure 1) being clamped together in an axial direction by a force applying member (see figures 5 and 6, and reference numbers 18, 14, for example); the first body including an axially extending male part 9,10, the second body including an axially extending female part (see figure 5, area between walls 13) in which the male part is

Art Unit: 3722

received (see figure 5); first and second guide structures (see figure 5 below) for guiding the structures in the radial direction, the first guide structure with radially outer engaging guide surfaces with ridges and grooves and the second guide structure with radially inner guide surfaces (see figure 5 below); the inner guide surfaces with a cylindrical projection and cylindrical recess of complementing shape (see figure 5 below).

Regarding claim 4, the first and second end surfaces facing each other are disposed in non-contacting relationship when not connected.

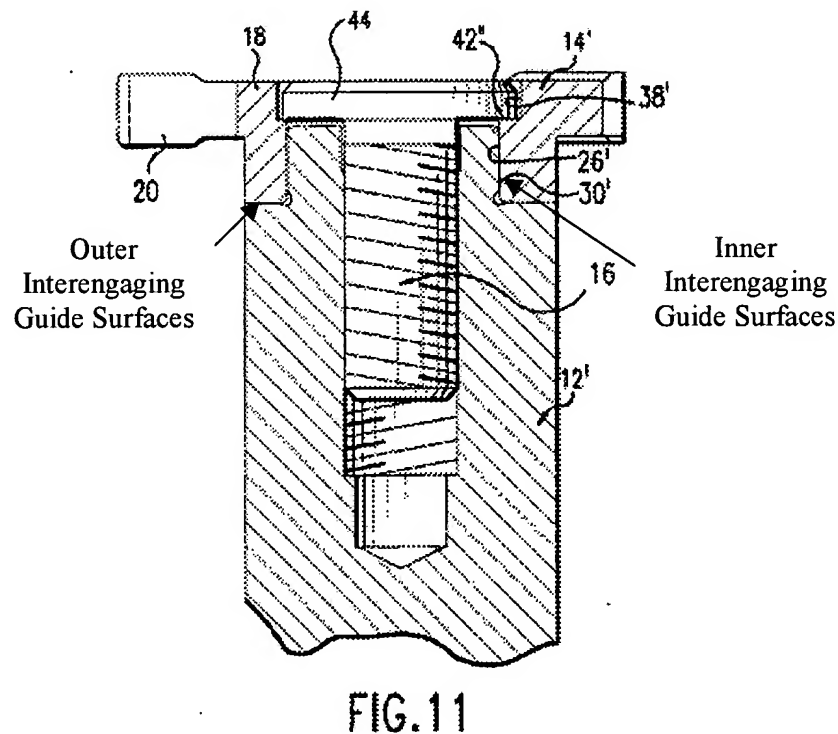


Regarding claim 5, though '655 does not expressly disclose the groove 5 has a radius of curvature larger than the radius of curvature of the ridge 5, it is inherent that the groove 5 has a radius of curvature larger in order for the ridge to fit within the groove (see figure 6, for example).

Art Unit: 3722

6. Claims 1 and 8-14 are rejected under 35 U.S.C. 102(b) as being anticipated by US Pat. No. 5,607,263 (Nespeta et al., hereafter '263).

'263 teaches first and second bodies 14, 12 (see figure 4, for example), the first tool body 14 with a male member (area 22 of figure 4) and the second tool body 12 with a female member (area 50 of figure 4); outer and inner interengaging guide surfaces (see fig. 11 below); the male and female parts having a generally triangular cross section (see figures 1 and 3, for example); a force applying screw 16 (see figure 4, for example).



Regarding claim 13, figure 4 shows a chamfer above the threaded portion of the screw 16.

Art Unit: 3722

7. Claims 1 and 8-14 are rejected under 35 U.S.C. 102(b) as being anticipated by US Pat. No. 5,026,224 (Andersson et al., hereafter '224).

'224 teaches first and second tool bodies 10, 12 (see figure 1a, 1b, for example) with male and female parts, outer and inner interengaging guide surfaces (see figure 1a, 1b); triangular cross sections (fig. 1a); clamping means 19 with a chamfer (see fig. 7a, for example).

Art Unit: 3722

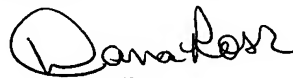
*Conclusion*

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dana Ross whose telephone number is 571-272-4480. The examiner can normally be reached on Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Boyer Ashley can be reached on 571-272-4502. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Dana Ross  
Examiner  
Art Unit 3722

  
dmr